

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

NA0010	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.			
Lower San Joaquin Levee District	M *	197.28				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.67		0.67	0.34%		
Trim / Thin Trees	0.04		0.04	0.02%		
Encroachments	0.10		0.10	0.05%	0.65	
Animal Control	0.81		0.81	0.41%		
Crown Surface / Depressions / Rutting	4.52		4.52	2.29%		
Repair Gates	0.01		0.01	0.01%		
Encroachments		0.01	0.04	0.02%		
<i>LMA Totals:</i>	6.15	0.01	6.19	3.14% *	0.65	0.00

Unit No. 01 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	22.56				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.47		0.47	2.08%		
Encroachments	0.06		0.06	0.27%	0.31	
<i>Unit Totals:</i>	0.53	0.00	0.53	2.35%	0.31	0.00

Unit No. 02A San Joaquin River	Overall Unit Rating	Total Unit Miles				
	M	13.79				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Crown Surface / Depressions / Rutting	2.32		2.32	16.82%		
<i>Unit Totals:</i>	2.32	0.00	2.32	16.82%	0.00	0.00

Unit No. 02B San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	5.92				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Trim / Thin Trees	0.04		0.04	0.68%		
Encroachments	0.02		0.02	0.34%		
Animal Control	0.01		0.01	0.17%		
<i>Unit Totals:</i>	0.07	0.00	0.07	1.18%	0.00	0.00

Unit No. 03 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	2.16				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 04 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	1.58				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
No Items					PO Miles	CO Miles
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 05 East Side Bypass	Overall Unit Rating	Total Unit Miles				
	A	34.75				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Animal Control	0.09		0.09	0.26%		
Repair Gates	0.01		0.01	0.03%		
<i>Unit Totals:</i>	0.10	0.00	0.10	0.29%	0.00	0.00
Unit No. 06 East Side Bypass	Overall Unit Rating	Total Unit Miles				
	A	36.38				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Animal Control	0.10		0.10	0.28%		
<i>Unit Totals:</i>	0.10	0.00	0.10	0.28%	0.00	0.00
Unit No. 07 Bear Creek Bypass	Overall Unit Rating	Total Unit Miles				
	A	3.62				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
No Items					PO Miles	CO Miles
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 08 Bear Creek Bypass	Overall Unit Rating	Total Unit Miles				
	A	3.63				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Animal Control	0.15		0.15	4.13%		
<i>Unit Totals:</i>	0.15	0.00	0.15	4.13%	0.00	0.00
Unit No. 09 Owens Creek Bypass	Overall Unit Rating	Total Unit Miles				
	A	0.88				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
No Items					PO Miles	CO Miles
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 10 Owens Creek Bypass	Overall Unit Rating	Total Unit Miles				
	A	0.82				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
No Items					PO Miles	CO Miles
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

**Flood Control Project Maintenance
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Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 11 Mariposa Bypass	Overall Unit Rating	Total Unit Miles				
	A	3.31				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

Unit No. 12 Mariposa Bypass	Overall Unit Rating	Total Unit Miles				
	A	3.33				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Animal Control	0.02		0.02	0.60%		
<i>Unit Totals:</i>	0.02	0.00	0.02	0.60%	0.00	0.00

Unit No. 13 Ash Slough	Overall Unit Rating	Total Unit Miles				
	A	1.28				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Animal Control	0.01		0.01	0.78%		
<i>Unit Totals:</i>	0.01	0.00	0.01	0.78%	0.00	0.00

Unit No. 14 Ash Slough	Overall Unit Rating	Total Unit Miles				
	A	1.28				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

Unit No. 15 Berenda Slough	Overall Unit Rating	Total Unit Miles				
	A	2.03				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

Unit No. 16 Berenda Slough	Overall Unit Rating	Total Unit Miles				
	A	1.98				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.15		0.15	7.58%		
<i>Unit Totals:</i>	0.15	0.00	0.15	7.58%	0.00	0.00

Unit No. 17 Chowchilla Canal Bypass	Overall Unit Rating	Total Unit Miles				
	A	16.09				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Animal Control	0.38		0.38	2.36%		
<i>Unit Totals:</i>	0.38	0.00	0.38	2.36%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 18 Chowchilla Canal Bypass	Overall Unit Rating	Total Unit Miles				
	A	15.33				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
No Items					PO Miles	CO Miles
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00
Unit No. 22A East Side Canal	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.			
	M *	5.50				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments		0.01	0.04	0.73%	PO Miles	CO Miles
<i>Unit Totals:</i>	0.00	0.01	0.04	0.73% *	0.00	0.00
Unit No. 23 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	10.25				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Vegetation	0.05		0.05	0.49%		
Encroachments	0.01		0.01	0.10%		
Animal Control	0.04		0.04	0.39%		
<i>Unit Totals:</i>	0.10	0.00	0.10	0.98%	0.00	0.00
Unit No. 24 San Joaquin River	Overall Unit Rating	Total Unit Miles				
	A	8.34				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Encroachments	0.01		0.01	0.12%	0.34	
Animal Control	0.01		0.01	0.12%		
<i>Unit Totals:</i>	0.02	0.00	0.02	0.24%	0.34	0.00
Unit No. 25 Salt Slough	Overall Unit Rating	Total Unit Miles				
	U	2.47				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Crown Surface / Depressions / Rutting	2.20		2.20	89.07%		
<i>Unit Totals:</i>	2.20	0.00	2.20	89.07%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	22.56
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Right	22.56	11/17/2009 11/17/2009	Richard Willoughby	

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.11	0.11	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	37.347688 ° -120.960067 °	37.347688 ° -120.960067 °	3
2	9.05	9.81	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	37.297473 ° -120.850480 °	37.293097 ° -120.839187 °	21
3	9.10	9.57	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.297157 ° -120.850138 °	37.295518 ° -120.842235 °	23
4	21.44	21.50	Earthen Levee	Encroachments	LS	M	Agricultural tilling	37.178665 ° -120.761092 °	37.178653 ° -120.759957 °	24 Y
5	22.21	22.52	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	37.169962 ° -120.754240 °	37.166983 ° -120.750127 °	22 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	22.56	11/17/2009 11/17/2009	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	21.44
End Levee Mile	21.50
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking north at farmer cutting into levee at landside toe.

richard_20091123_111.jpg



Levee Mile Report Line	4
Start Levee Mile	21.44
End Levee Mile	21.50
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking north at landside toe.

richard_20091123_112.jpg



Levee Mile Report Line	5
Start Levee Mile	22.21
End Levee Mile	22.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking at landside ditch at levee toe.

richard_20091123_113.jpg



*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 02A San Joaquin River			Left	13.79
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02A San Joaquin River				Left	13.79	11/19/2009 11/19/2009	Richard Willoughby	

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	2.32	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	°	°	944
								°	°	

*** Location**

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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 02B San Joaquin River			Left	5.92
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River					Left	5.92	11/19/2009 11/19/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	7.87	13.21	Earthen Levee	Crown Surface / Depressions / Rutting	CR	A	Add appropriate gravel or road base. Grade and compact.	37.231638 ° -120.812170 °	37.179420 ° -120.764933 °	8
2	12.72	12.72	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees over roadway to at least 12 feet above ground level.	37.185707 ° -120.768147 °	37.185707 ° -120.768147 °	10
3	12.75	12.75	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	37.185448 ° -120.768487 °	37.185448 ° -120.768487 °	9
4	13.05	13.05	Earthen Levee	Encroachments	LS	M	Tree or limb Inspector Comments: Down tree across canal and landside slope	37.181397 ° -120.766287 °	37.181397 ° -120.766287 °	4 Y
5	13.10	13.10	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	37.180785 ° -120.765865 °	37.180785 ° -120.765865 °	3
6	13.46	13.50	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.176420 ° -120.762212 °	37.176143 ° -120.761785 °	7
7	13.69	13.69	Earthen Levee	Encroachments	LS	M	Garbage	37.173603 ° -120.761017 °	37.173603 ° -120.761020 °	11 Y
8	13.70	13.70	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.173471 ° -120.761040 °	37.173471 ° -120.761040 °	12

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

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Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/19/2009 11/19/2009	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	13.05
End Levee Mile	13.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at down tree on landside slope.

richard_20091123_115.jpg



Levee Mile Report Line	4
Start Levee Mile	13.05
End Levee Mile	13.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking at hole left from down tree on landside toe.

richard_20091123_116.jpg



Levee Mile Report Line	4
Start Levee Mile	13.05
End Levee Mile	13.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at down tree in canal on landside slope.

richard_20091123_117.jpg



*** Location**

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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02B San Joaquin River	Left	5.92	11/19/2009 11/19/2009	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	13.69
End Levee Mile	13.69
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at wood pile on landside shoulder.

richard_20091123_114.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
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U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 03 San Joaquin River			Right	2.16
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			11/10/2009	
DWR Inspector			Richard Willoughby	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River	Right	2.16		Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 04 San Joaquin River			Left	1.58
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			11/10/2009	
DWR Inspector			Richard Willoughby	
Accompanied By				

Check one:

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- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 San Joaquin River	Left	1.58	11/19/2009 11/19/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 05 East Side Bypass			Right	34.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass						Right	34.75	11/17/2009 11/17/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	6.50	6.50	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.230497 ° -120.727263 °	37.230497 ° -120.727263 °	15
2	6.58	6.58	Earthen Levee	Repair Gates	CR	M		37.229807 ° -120.726538 °	37.229807 ° -120.726538 °	17 Y
3	8.06	8.06	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.213600 ° -120.706630 °	37.213600 ° -120.706630 °	4
4	8.83	8.83	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.205778 ° -120.696843 °	37.205778 ° -120.696843 °	5
5	25.49	25.54	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.047630 ° -120.488530 °	37.047042 ° -120.488092 °	9
6	29.80	29.80	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.017540 ° -120.431955 °	37.017540 ° -120.431955 °	16

*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 East Side Bypass	Right	34.75	11/17/2009 11/17/2009	Richard Willoughby

Levee Mile Report Line	2
Start Levee Mile	6.58
End Levee Mile	6.58
Location	Crown
Category	Earthen Levee
Item	Repair Gates

Looking south at damage gate.

richard_20091123_118.jpg



*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 06 East Side Bypass			Left	36.38

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

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Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass						Left	36.38	11/18/2009 11/18/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	4.67	4.67	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.244012 ° -120.761372 °	37.244012 ° -120.761372 °	16 Y
2	6.12	6.12	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.235777 ° -120.738598 °	37.235777 ° -120.738598 °	22
3	6.15	6.15	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.235623 ° -120.738017 °	37.235623 ° -120.738017 °	21
4	20.38	20.67	Earthen Levee	Encroachments	WS	C	Material Inspector Comments: Sand pile in channel over three feet high.	37.113240 ° -120.569413 °	37.113320 ° -120.564087 °	15
5	22.90	22.96	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.088663 ° -120.538193 °	37.087968 ° -120.537485 °	8
6	23.93	23.93	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.077337 ° -120.526045 °	37.077337 ° -120.526045 °	20
7	28.62	28.62	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.030102 ° -120.469122 °	37.030102 ° -120.469122 °	19

*** Location**

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WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Bypass	Left	36.38	11/18/2009 11/18/2009	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	4.67
End Levee Mile	4.67
Location	Crown
Category	Earthen Levee
Item	Animal Control

Looking at squirrel hole at crown of levee.

richard_20091110_107.jpg



*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 07 Bear Creek Bypass			Right	3.62
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			11/10/2009	
DWR Inspector			Richard Willoughby	
Accompanied By				

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek Bypass	Right	3.62	11/17/2009 11/17/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 08 Bear Creek Bypass			Left	3.63

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 08 Bear Creek Bypass						Left	3.63	11/17/2009 11/17/2009	Richard Willoughby	

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.88	0.88	Earthen Levee	Repair Gates	CR	C	Inspector Comments: Bottom hinge broken.	37.262158 ° -120.760657 °	37.262158 ° -120.760660 °	8
2	2.12	2.12	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.257688 ° -120.741573 °	37.257688 ° -120.741573 °	7
3	3.40	3.54	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.253052 ° -120.722647 °	37.253600 ° -120.720198 °	3

*** Location**

LS : Land Side
WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 09 Owens Creek Bypass			Right	0.88
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			11/10/2009	
DWR Inspector			Richard Willoughby	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Owens Creek Bypass	Right	0.88	11/17/2009 11/17/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 10 Owens Creek Bypass			Left	0.82
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			11/10/2009	
DWR Inspector			Richard Willoughby	
Accompanied By				

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Owens Creek Bypass	Left	0.82	11/17/2009 11/17/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 11 Mariposa Bypass			Right	3.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			11/10/2009	
DWR Inspector			Richard Willoughby	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 Mariposa Bypass	Right	3.31	11/19/2009 11/19/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 12 Mariposa Bypass			Left	3.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

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Signature of LMA Representative

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 Mariposa Bypass						Left	3.33	11/19/2009 11/19/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	2.33	2.33	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.200907 ° -120.712978 °	37.200907 ° -120.712978 °	1
2	2.33	2.33	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.200878 ° -120.712965 °	37.200878 ° -120.712965 °	2

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 13 Ash Slough			Right	1.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Ash Slough				Right	1.28	11/18/2009 11/18/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.14	0.14	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.035697 ° -120.441197 °	37.035697 ° -120.441197 °	3

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 14 Ash Slough			Left	1.28

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			11/10/2009	
DWR Inspector			Richard Willoughby	
Accompanied By				

Check one:

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Ash Slough	Left	1.28	11/18/2009 11/18/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 15 Berenda Slough			Right	2.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Berenda Slough	Right	2.03	11/18/2009 11/18/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	1.51	2.01	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	36.996470 ° -120.383188 °	36.996417 ° -120.374085 °	9

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 16 Berenda Slough			Left	1.98
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Berenda Slough						Left	1.98	11/18/2009 11/18/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	1.42	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	36.995428 ° -120.408610 °	36.995440 ° -120.383387 °	4
2	0.48	0.63	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	36.995145 ° -120.400473 °	36.995428 ° -120.397647 °	5
3	1.67	1.98	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	36.995488 ° -120.378788 °	36.995577 ° -120.373488 °	3

*** Location**

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CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 17 Chowchilla Canal Bypass			Right	16.09
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Chowchilla Canal Bypass						Right	16.09	11/18/2009 11/18/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	6.51	6.60	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.898124 ° -120.326714 °	36.896943 ° -120.326133 °	4
2	7.27	7.39	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	36.887869 ° -120.321697 °	36.886341 ° -120.320940 °	5
3	8.11	8.28	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.876132 ° -120.317926 °	36.873749 ° -120.317465 °	6

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 18 Chowchilla Canal Bypass			Left	15.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			11/10/2009	
DWR Inspector			Richard Willoughby	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Chowchilla Canal Bypass	Left	15.33	11/18/2009 11/18/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

*** Location**

LS : Land Side
WS : Water Side
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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 22A East Side Canal			Left	5.50

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 22A East Side Canal						Left	5.50	11/17/2009 11/17/2009	Richard Willoughby	

LMR No	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	3.85	3.85	Channels	Encroachments	WS	U	Inspector Comments: Stevenson Irrigation District contracted a concrete weir across channel without a permit.	37.255568 °	37.255568 °	4
								-120.720551 °	-120.720551 °	
2	4.70	4.70	Earthen Levee	Erosion / Bank Caving	WS	C	Schedule repair of erosion site prior to the next inspection.	37.264283 °	37.264283 °	3
								-120.731378 °	-120.731378 °	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 23 San Joaquin River			Right	10.25
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 23 San Joaquin River						Right	10.25	11/16/2009 11/16/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	3.30	3.30	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	36.774403 ° -120.234705 °	36.774403 ° -120.234705 °	3
2	4.09	4.13	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	36.784070 ° -120.229708 °	36.784230 ° -120.228933 °	6
3	5.19	5.19	Earthen Levee	Encroachments	WS	M	Material Inspector Comments: Sand pile in levee channel over three feet high. Pile is too close to levee.	36.791373 ° -120.214972 °	36.791373 ° -120.214972 °	7
4	5.68	5.72	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.792012 ° -120.206270 °	36.791857 ° -120.205685 °	5

*** Location**

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WS : Water Side
CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 24 San Joaquin River			Left	8.34
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 24 San Joaquin River						Left	8.34	11/16/2009 11/16/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	2.38	2.38	Earthen Levee	Encroachments	WS	M	Tree or limb	36.769332 ° -120.255743 °	36.769332 ° -120.255743 °	8
2	3.46	3.46	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	36.769345 ° -120.238370 °	36.769345 ° -120.238370 °	7
3	6.33	6.33	Earthen Levee	Encroachments	WS	C	Prunings	36.788235 ° -120.209622 °	36.788235 ° -120.209622 °	6
4	7.98	8.32	Earthen Levee	Encroachments	WS	PO	Fences	36.775580 ° -120.189783 °	36.778099 ° -120.184436 °	1

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Lower San Joaquin Levee District

Waterway			Bank	Unit Miles
Unit No. 25 Salt Slough			Right	2.47
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/30/2009		11/10/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Lower San Joaquin Levee District

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 25 Salt Slough					Right	2.47	11/19/2009 11/19/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.27	2.47	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	37.292165 ° -120.880693 °	37.271175 ° -120.866618 °	1

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable N : Not Inspected